

U.S. DEPARTMENT OF LABOR  
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION  
AMERICHEM MATERIAL SAFETY DATA SHEET #1007

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910, 1200.  
Standard must be consulted for specific requirements.

## SECTION I

MANUFACTURER'S NAME: Various  
(Americhem as Distributor)  
ADDRESS: 5129 Unruh Avenue,  
Philadelphia, PA 19135  
CHEMICAL NAME AND SYNONYMS: Cadmium Oxide  
CHEMICAL FAMILY: Cadmium

EMERGENCY TELEPHONE NUMBER:  
Chemtrec -- 800-424-9300  
Americhem - 215-335-0990  
TRADE NAME AND SYNONYMS:  
Cad Oxide  
FORMULA: CdO

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES AND SOLVENTS	% TLV (UNITS)	ALLOYS AND METALLIC COATINGS	% TLV (UNITS)
PIGMENTS:	NA	BASE METAL:	NA
CATALYST:	NA	ALLOYS:	NA
VEHICLE:	NA	METALLIC COATINGS:	NA
SOLVENTS:	NA	FILLER METAL	
		PLUS COATING OR	
ADDITIVES:	NA	CORE FLUX:	NA
OTHERS:	NA	OTHERS:	NA
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OF GASES: NA			

## SECTION III - PHYSICAL DATA

BOILING POINT (°C):	1558°	SPECIFIC GRAVITY (H <sub>2</sub> O=1):	6.95
VAPOR PRESSURE (mm Hg.):	NA	PERCENT, VOLATILE BY VOLUME (%):	NA
VAPOR DENSITY (AIR=1):	NA	EVAPORATION RATE (____)=1:	NA
SOLUBILITY IN WATER:	Negligible		
APPEARANCE AND ODOR:	Dark brown crystals, no odor.		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): NA  
EXTINGUISHING MEDIA: CO<sub>2</sub> or dry chemical extinguisher.  
SPECIAL FIRE FIGHTING PROCEDURES: Use approved self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

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SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Current TLV - .1 mg/cu.m.; Proposed TLV - .05 mg/cu.m  
EFFECTS OF OVEREXPOSURE: Inhalation of fumes produces metal fume fever which may end in fatal pulmonary edema, throat dryness, cough, headache, vomiting, chest pain, chills.  
EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove from exposure; place individual under care of a physician. Ingestion: Induce vomiting in conscious individual and call a physician.  
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SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE: STABLE: X  
INCOMPATIBILITY (MATERIALS TO AVOID): NA  
HAZARDOUS DECOMPOSITION PRODUCTS: When heated to melting point (900°C) toxic cadmium oxide fumes are produced.  
HAZARDOUS POLYMERIZATION: MAY OCCUR: WILL NOT OCCUR: X  
CONDITIONS TO AVOID: NA  
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SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wet sweep, shovel, or vacuum small, dry spills into dry container and keep tightly covered. No flares, flames, smoking, or sparks in hazard area.

WASTE DISPOSAL METHOD: Dispose of material in closed containers according to OSHA and EPA regulations.  
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SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): Approved respirator for dust or fumes.

VENTILATION: The area surrounding any plating tank should be suitably ventilated to prevent gases, mists, and particulate matter evolved from the plating tank from collecting to injurious levels.

PROTECTIVE GLOVES: Required

EYE PROTECTION: Required for fumes, dust or heat.

OTHER PROTECTIVE EQUIPMENT: Approved respirator for dust or fumes.  
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SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in cool, dry, ventilated place in closed containers.

OTHER PRECAUTIONS: \*\* Poison labels on all drums. \*\*  
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THIS MATERIAL SAFETY DATA SHEET IS OFFERED SOLELY FOR YOUR INFORMATION, CONSIDERATION AND INVESTIGATION.

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